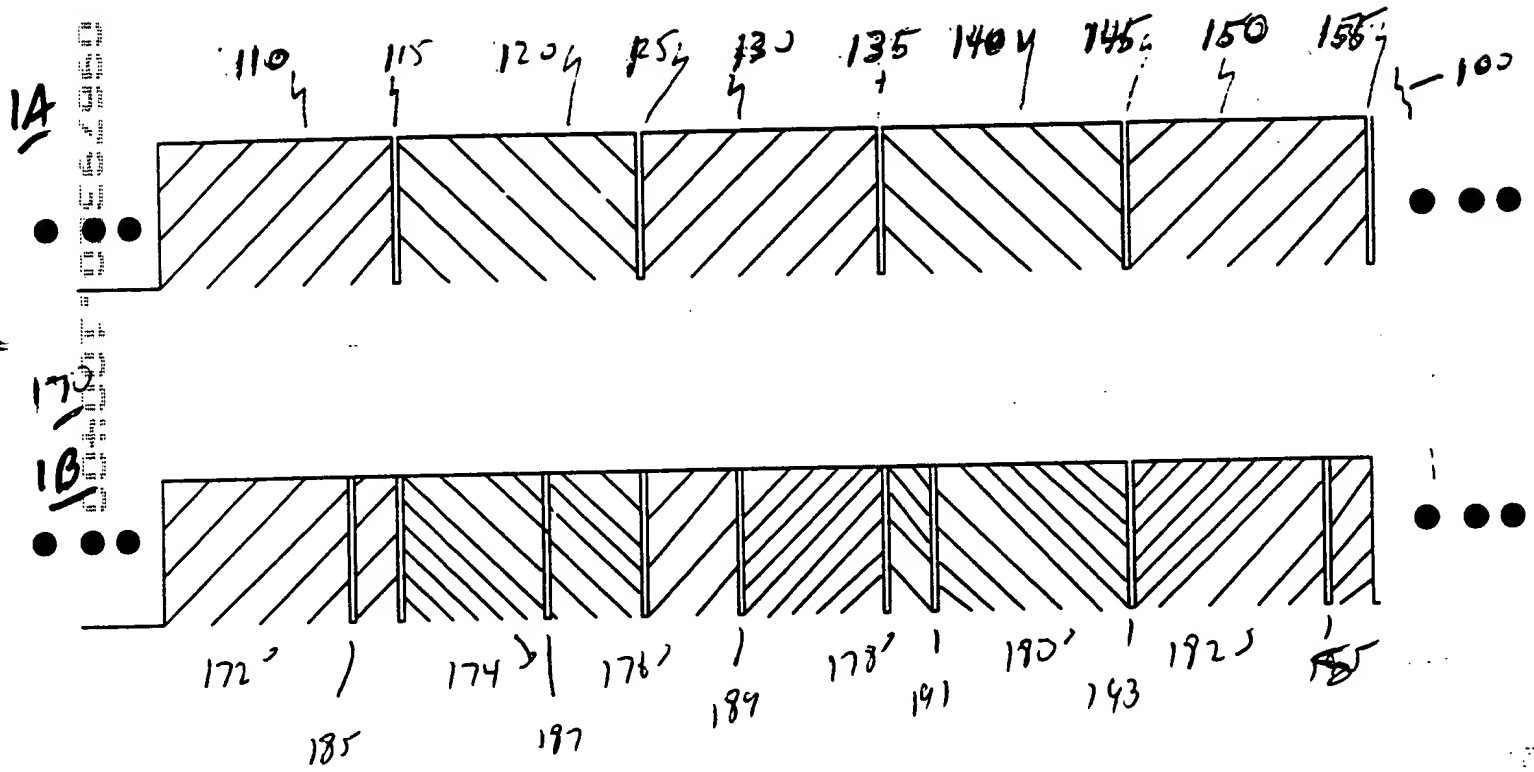

1A
110
115
120
125
130
135
140
145
150
155
100
172
1B
172'
174
176'
178'
190'
192
185
197
184
191
193

Figure 1

FIG. 2

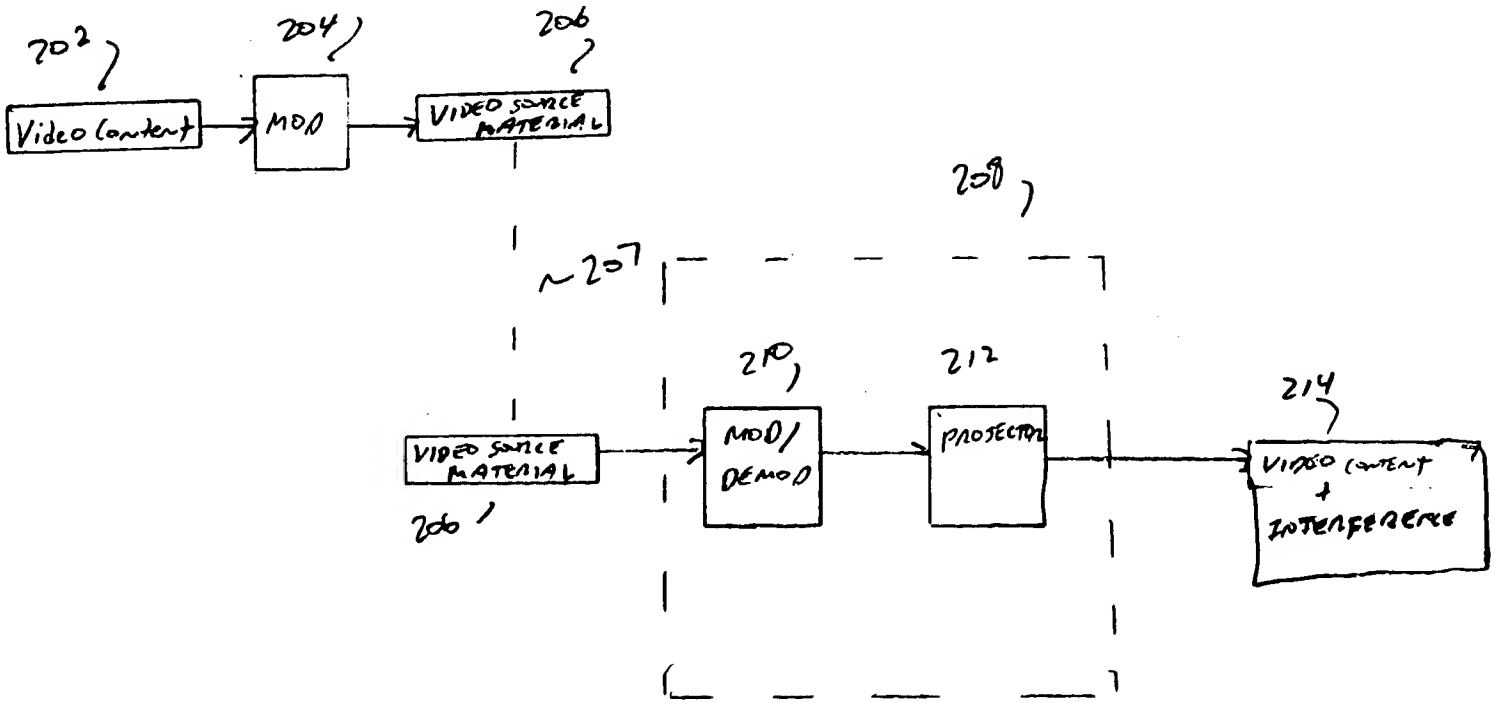
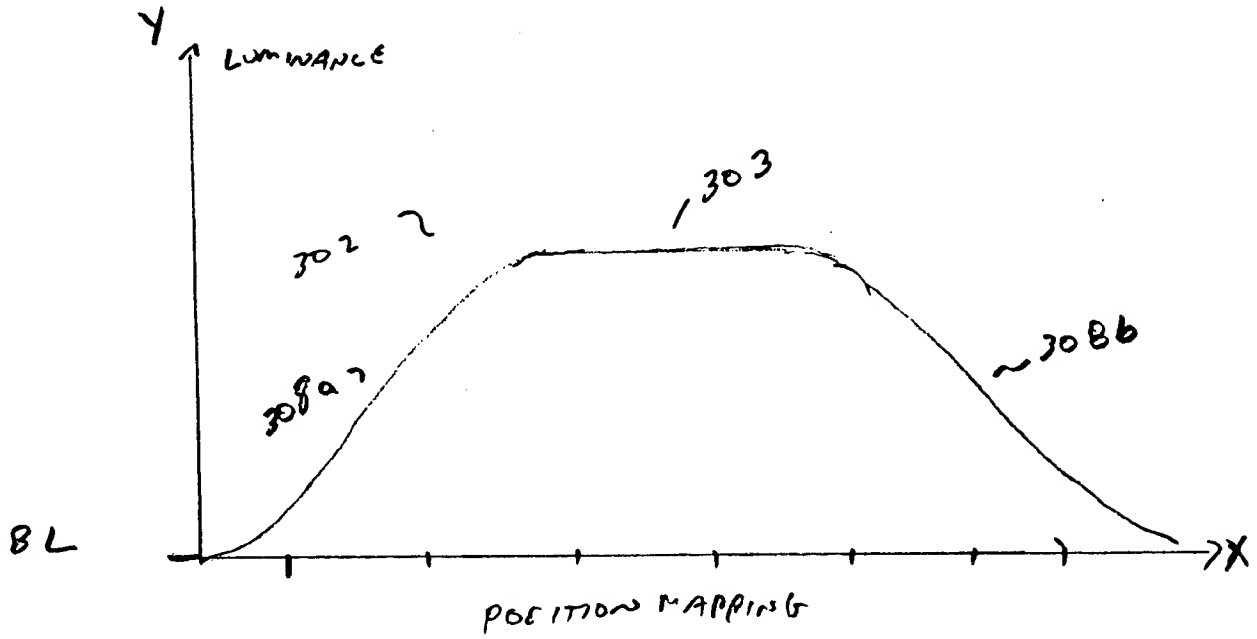

200
202
Video Content
204
MOD
206
VIDEO SOURCE MATERIAL
209
207
210
MOD/ DEMOD
212
PROJECTOR
214
VIDEO CONTENT + INTERFERENCE
206'
VIDEO SOURCE MATERIAL

FIG 3A

300



350

FIG. 3B

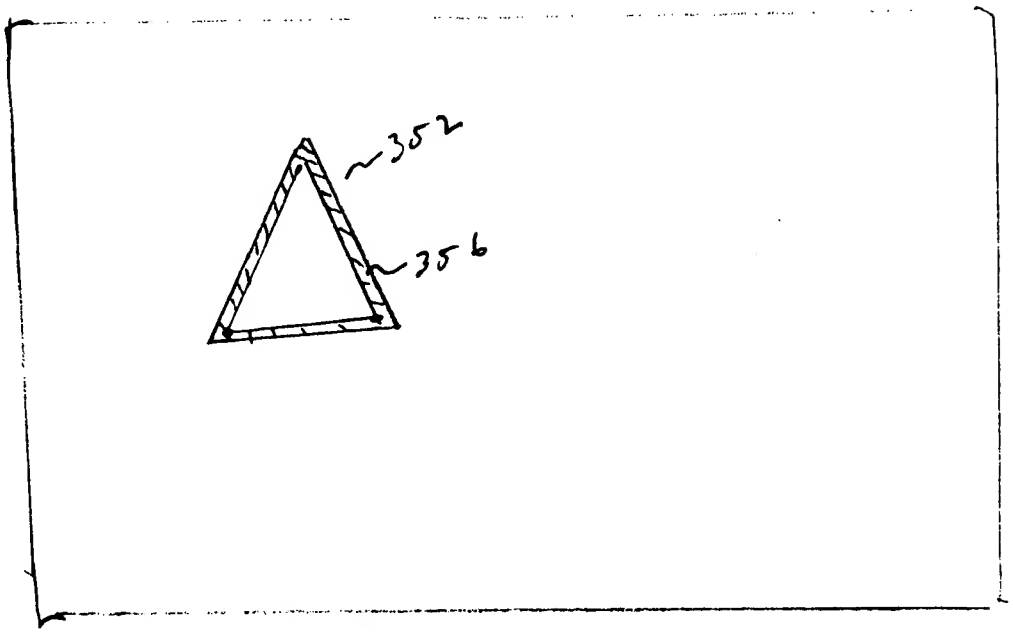


FIG. 36

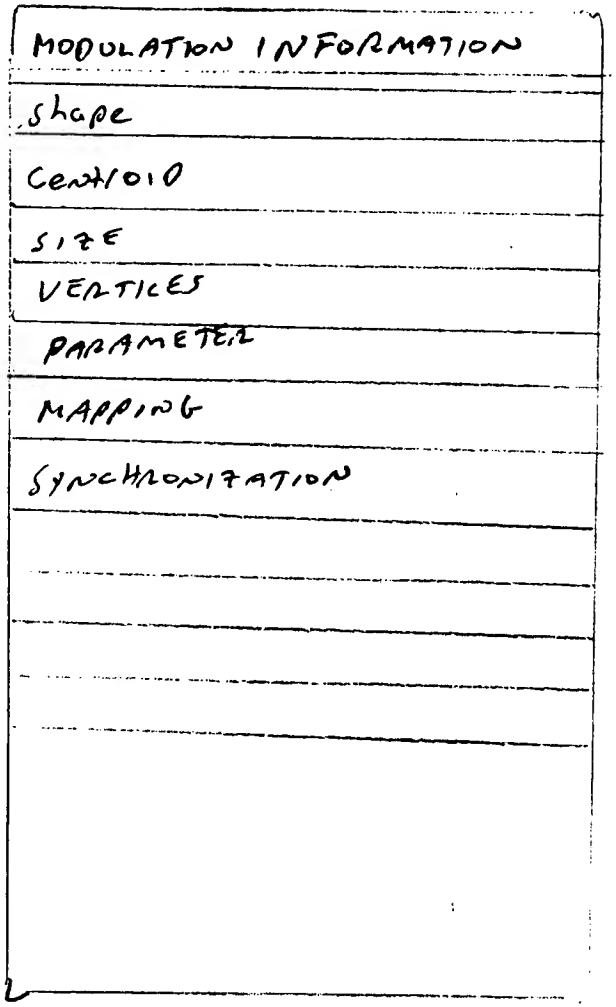

MODULATION INFORMATION
Shape
Centroid
SIZE
VERTICES
PARAMETER
MAPPING
SYNCHRONIZATION

FIG. 4

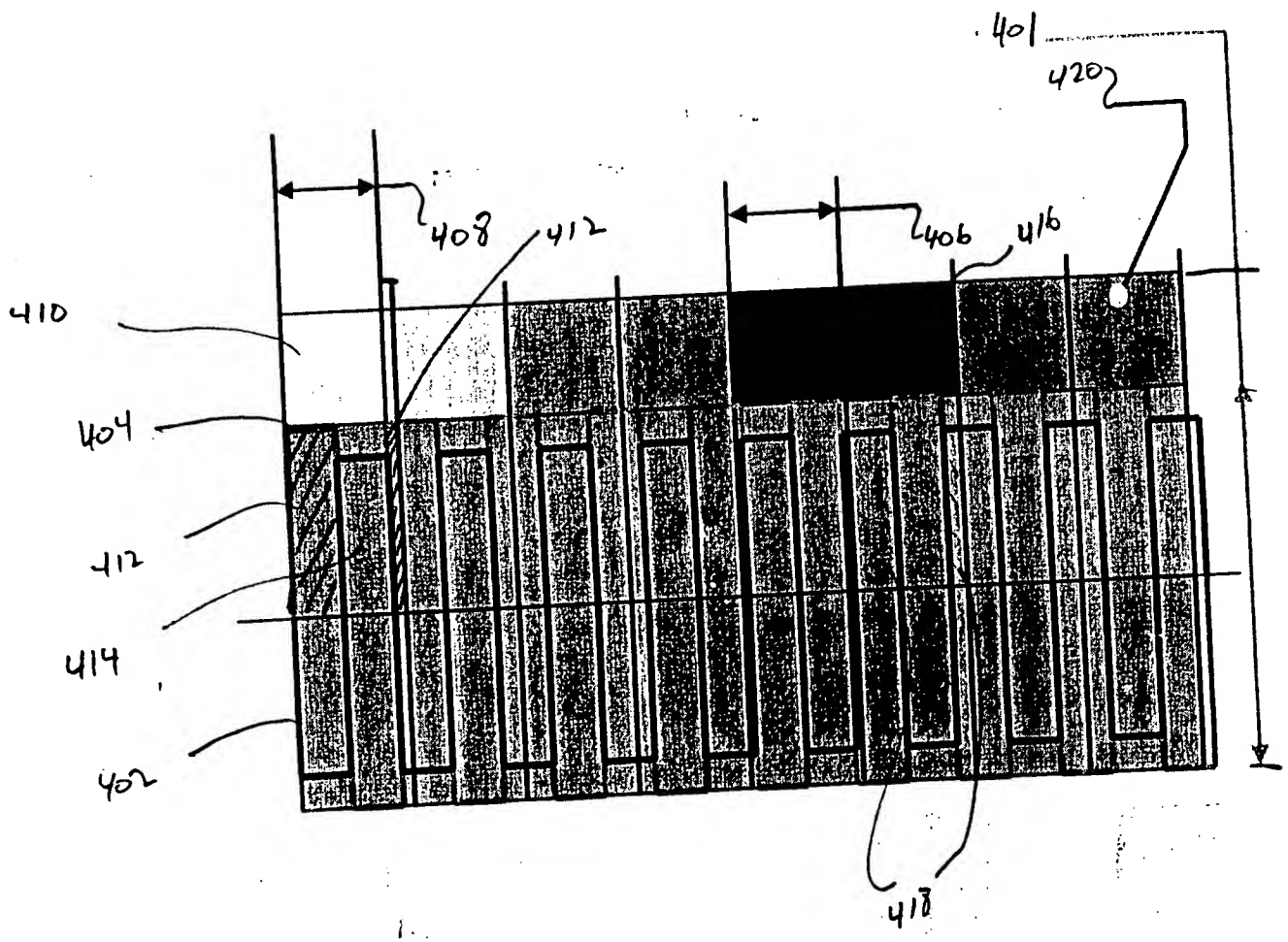
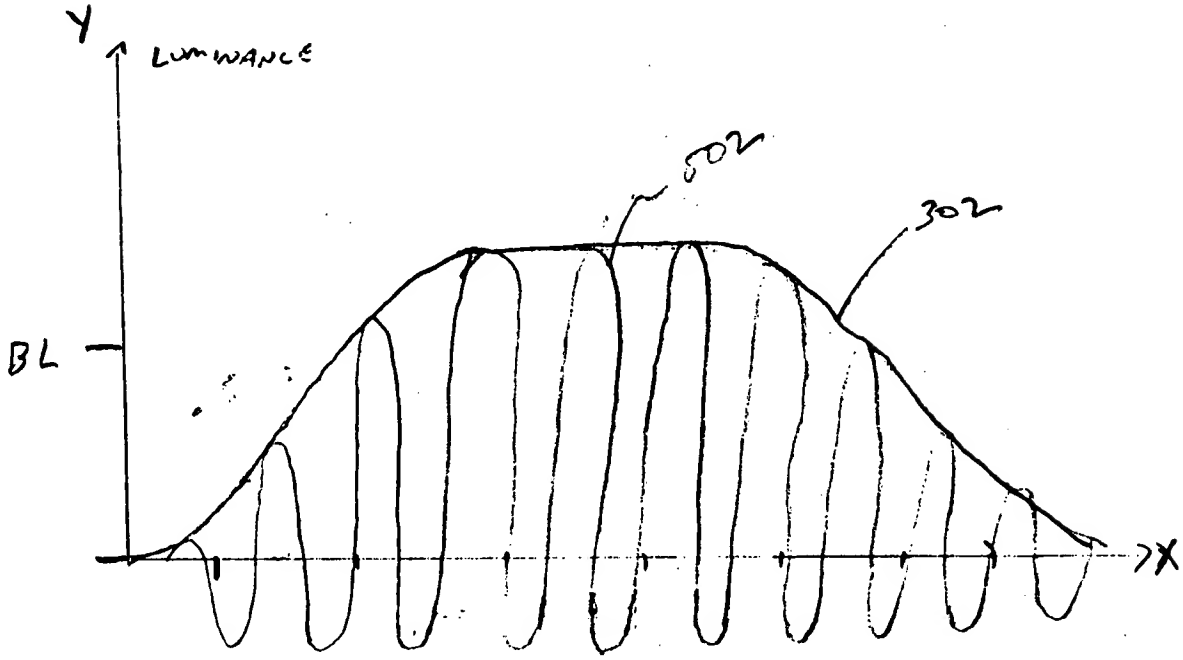


FIG 5

500



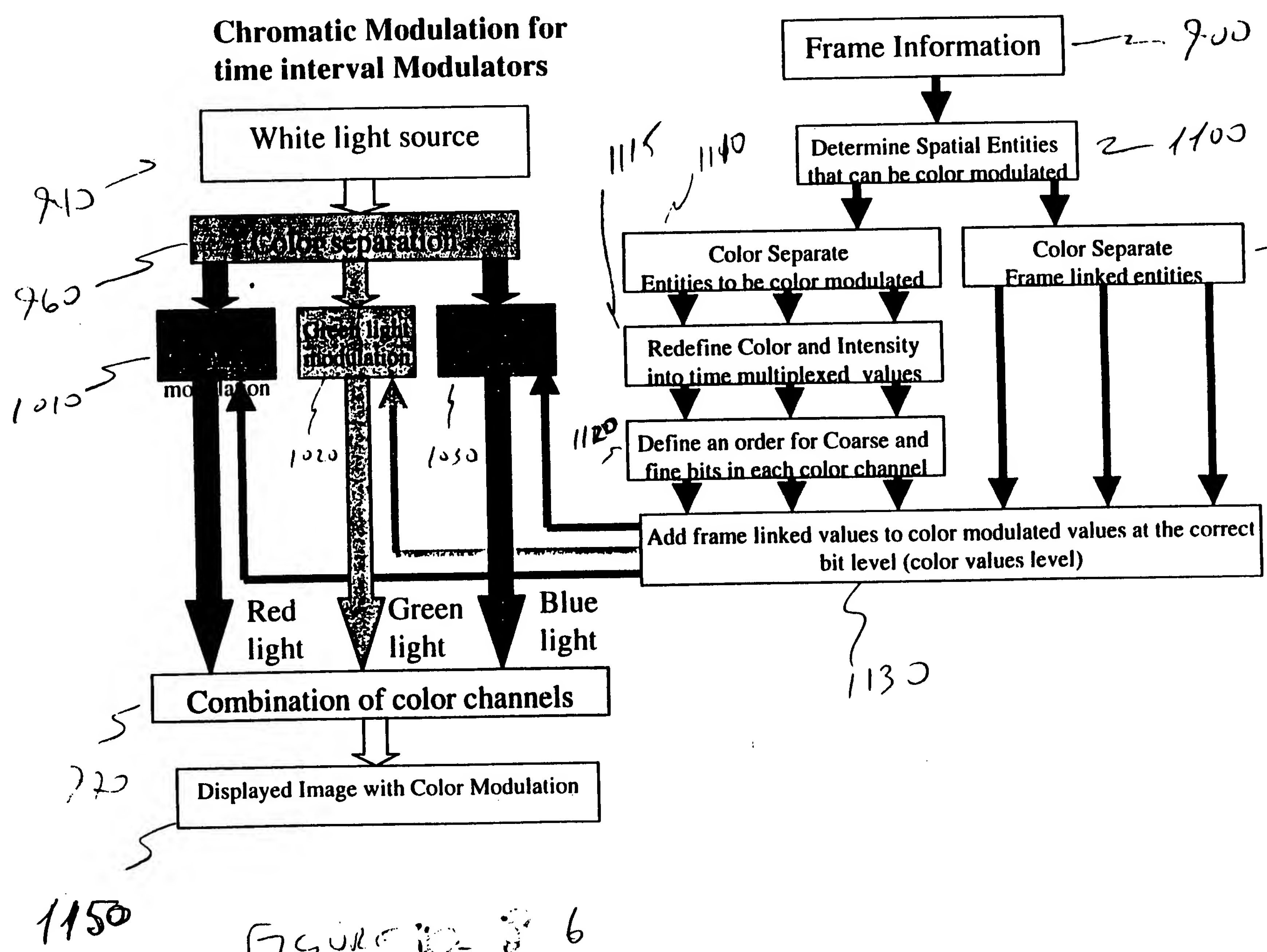
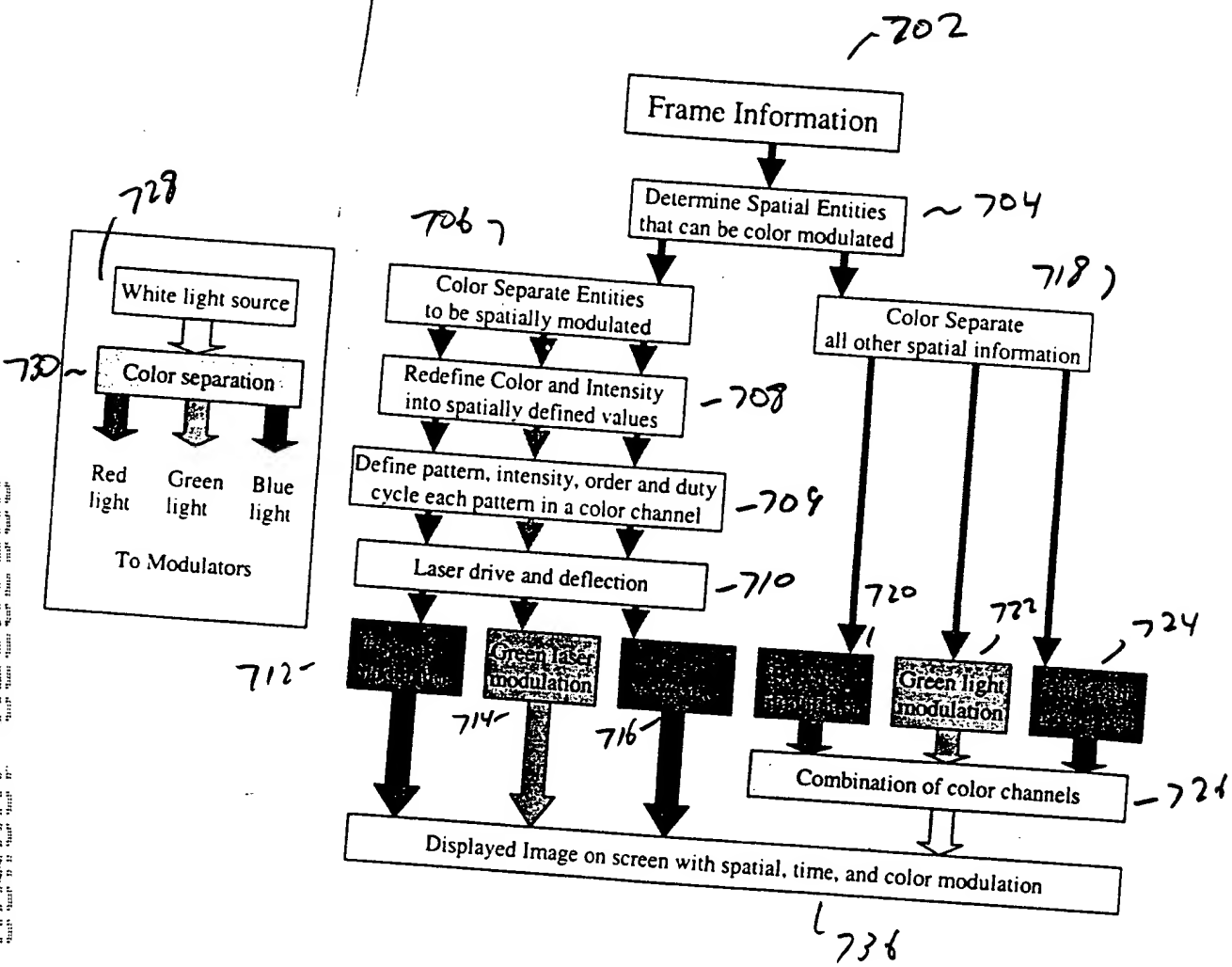

Chromatic Modulation for
time interval Modulators
White light source
Color separation
Green light modulation
Red
light
Green
light
Blue
light
Combination of color channels
Displayed Image with Color Modulation
Frame Information
Determine Spatial Entities that can be color modulated
Color Separate Entities to be color modulated
Color Separate Frame linked entities
Redefine Color and Intensity into time multiplexed values
Define an order for Coarse and fine bits in each color channel
Add frame linked values to color modulated values at the correct bit level (color values level)
900
1100
1115
1140
1120
1130
910
960
1010
1020
1030
1150

FIGURE 6

FIG. 7

700


Frame Information
Determine Spatial Entities that can be color modulated
Color Separate Entities to be spatially modulated
Redefine Color and Intensity into spatially defined values
Define pattern, intensity, order and duty cycle each pattern in a color channel
Laser drive and deflection
Color Separate all other spatial information
White light source
Color separation
Red light
Green light
Blue light
To Modulators
Green laser modulation
Green light modulation
Combination of color channels
Displayed Image on screen with spatial, time, and color modulation
702
704
706
708
709
710
712
714
716
718
720
722
724
726
728
730
736